

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/000698

A. CLASSIFICATION OF SUBJECT MATTER		
IPC 7	H05K3/46	H05K3/18 H05K3/10
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
IPC 7 H05K		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)		
EPO-Internal, WPI Data, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/129972 A1 (KONRAD JOHN JOSEPH ET AL) 19 September 2002 (2002-09-19) paragraphs '0018! - '0039!; figures 1a-1e	1-17
A	US 5 382 315 A (KUMAR ET AL) 17 January 1995 (1995-01-17) column 5, lines 29-36 column 8, lines 15-25 column 8, lines 38-48 column 8, line 65 - column 9, line 5; figures 4,6	1-17
A	EP 0 817 549 A (NGK SPARK PLUG CO. LTD) 7 January 1998 (1998-01-07) column 14, line 3 - column 18, line 18; figure 7	1-17
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report
18 April 2005		29/04/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016		Authorized officer Batev, P

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Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 376 234 A (NIPPON PAINT CO., LTD) 2 January 2004 (2004-01-02) paragraphs '0023! - '0033!; figures 1,2 <u> </u>	1-17

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/000698

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002129972 A1	19-09-2002	US 2004064939 A1	08-04-2004
US 5382315 A	17-01-1995	US 5244538 A	14-09-1993
		US 5312514 A	17-05-1994
		US 5290732 A	01-03-1994
		US 5156997 A	20-10-1992
		AU 6668794 A	21-11-1994
		WO 9425976 A1	10-11-1994
		US 5399238 A	21-03-1995
		US 5331172 A	19-07-1994
		JP 7501419 T	09-02-1995
		WO 9214260 A1	20-08-1992
EP 0817549 A	07-01-1998	JP 10075038 A	17-03-1998
		EP 0817549 A2	07-01-1998
EP 1376234 A	02-01-2004	EP 1376234 A1	02-01-2004
		US 2004086806 A1	06-05-2004
		WO 02077713 A1	03-10-2002
		JP 2002365805 A	18-12-2002
		TW 535475 B	01-06-2003